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August 1962

PHOTOGRAPHIC INTERPRETATION REPORT

CURRENT SUMMARY
OF
SOVIET ICBM LAUNCH AREAS
IDENTIFIED ON KEYHOLE PHOTOGRAPHY



ARMY



NAVY



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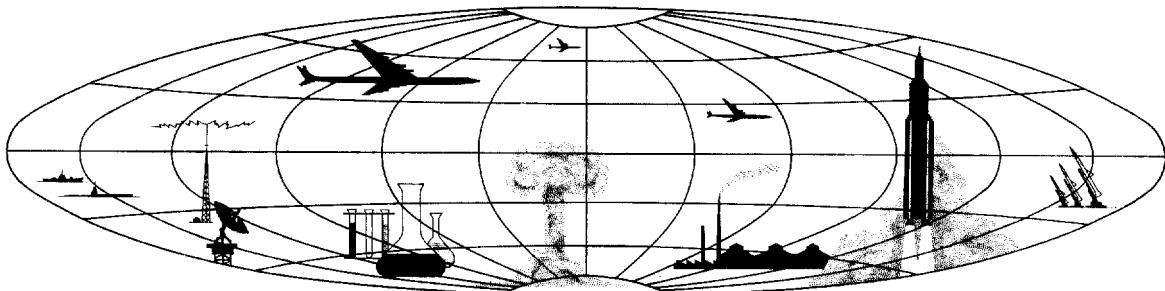


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NPIC/R-115/62

CURRENT SUMMARY OF SOVIET ICBM LAUNCH AREAS
IDENTIFIED ON KEYHOLE PHOTOGRAPHY

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This report presents a current summary of deployed ICBM launch areas in the USSR identified on KEYHOLE photography as of [redacted] (Table 1).

The total number of deployed ICBM launch areas identified is now 56, with a minimum total of 98 pads (on the assumption of one pad for each Shadrinsk-type launch area) referenced to 16 separate locations. The total includes 34 launch areas of the Tyura Tam Complex "C", or Yur'ya, type with a total of 68 pads; 4 of the Tyura Tam Launch Complex "B" type with a total of 4 pads; 10 of the Tyura Tam Launch Complex "D", or Shadrinsk, type with a minimum total of 10 pads; and 8 of the Tyumen' type with a total of 16 pads. The total of 56 launch areas appear at the following complexes: Drovyanaya, Gladkaya, Itatka, Kostroma, Kozel'sk, Novosibirsk, Perm', Plesetsk, Shadrinsk, Svodbodnyy, Teykovo, Tyumen', Verkhnyaya Salda, Yedrovo, Yoshkar-Ola, and Yur'ya. A possible ICBM complex is located at Nyandoma with no launch areas identified to date, and a suspect complex is located near Omsk.

All coordinates referenced in Table 1 have been derived from the appropriate US Air Target Chart - Series 200. These coordinates are considered to be the most accurate to date.

Table 1. Current Summary of Soviet ICBM Launch Areas Identified on KEYHOLE Photography.

Item	Complex Area Name	Area Designator	BE Number	Coordinates	Distance Between Areas - NM	Launch Area Orientation \pm 5 Degrees	No of Pads	Construction Status 1/	Degree of Confidence	Missions
1.	Drovyanaya Support Facility Transfer Point Launch Area	A		51-32N 113-01E 51-24N 113-00E	-- --	-- 20°	- 2	U/C Complete U/C	Firm Firm	
2.	Gladkaya Support Facility Launch Area	A B		56-05N 92-13E 56-20N 92-19E 56-25N 92-25E	-- -- A-B 6.0	-- 60° 60°	- 2 2	U/C U/C U/C	Poss Firm Firm	
3.	Itatka Support Facility Transfer Point Launch Area	A B		56-50N 85-36E 56-31N 85-36E 56-58N 85-33E	-- -- A-B 4.4	-- 10° 10°	- 2 2	Complete Complete U/C	Firm Firm Firm	
4.	Kostroma Support Facility Transfer Point Launch Area	A B C D E		57-46N 41-00E 57-51N 41-15E 58-02N 41-21E 58-02N 41-07E 57-59N 41-09E 58-05N 41-40E 57-57N 41-13E	-- -- -- A-B 7.5 A-C 7.1 A-D 10.5 A-E 8.5	-- -- 295° 295° 295° 300°	- 2 2 2 2 2 1	Complete Complete Complete Complete U/C U/C U/C	Firm Firm Firm Firm Firm Firm Firm	
5.	Kozel'sk Support Facility Launch Area	A B C		53-57N 35-48E 53-54N 35-44E 53-48N 35-47E 53-46N 35-41E	-- -- A-B 7.3 A-C 8.2	-- 295° 295° 295°	- 2 2 2	U/C U/C U/C U/C	Firm Firm Firm Firm	
6.	Novosibirsk Support Facility Launch Area	A B C		55-16N 82-57E 55-19N 83-10E 55-19N 83-01E 55-23N 82-56E	-- -- A-B 5.2 A-C 9.0	-- Undetermined Undetermined Undetermined	- 2 1 1	Complete U/C U/C U/C	Firm Firm Firm Firm	
7.	Nyandoma Support Facility Clearing or Excavation			61-39N 40-10E	-- --	-- --	- -	-- --	Poss	
8.	Omsk Support Facility Transfer Point *Launch Area	A		55-03N 73-30E 55-05N 73-33E 55-09N 73-38E	-- -- --	-- -- --	- - -	U/C U/C U/C	Suspect Suspect Suspect	

*Not included in total number of launch areas.

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Table 1. (continued)

Item	Complex Area Name	Area Designator	BE Number	Coordinates	Distance Between Areas - NM	Launch Area Orientation ± 5 Degrees	No of Pads	Construction Status 1/	Degree of Confidence	Missions
9.	Perm' Support Facility			57-42N 56-19E	--	--	-	Complete	Firm	
	Transfer Point Launch Area	A		57-42N 56-17E	--	--	-	Complete	Firm	
				57-41N 56-13E	--	315°	2	Complete	Firm	
		B		57-42N 55-57E	A-B 8.5	315°	2	U/C	Firm	
10.	Plesetsk Support Facility			62-56N 40-39E	--	--	-	Complete	Firm	
	Transfer Point Launch Point	I		62-55N 40-45E	--	--	-	Complete	Firm	
				62-55N 40-27E	--	Undetermined	1	Complete	Firm	
		II		62-55N 40-28E	I-II . 04	Undetermined	1	Complete	Firm	
		III		62-56N 40-32E	I-III 2.5	Undetermined	1	Complete	Firm	
		IV		62-57N 40-41E	I-IV 6.5	Undetermined	1	Complete	Firm	
		A		62-58N 40-47E	I-A 10.0	345°	2	Complete	Firm	
		B		63-03N 40-58E	I-B 15.9	345°	2	Complete	Firm	
		C		63-01N 40-52E	I-C 12.6	10°	1	U/C	Firm	
11.	Shadrinsk Support Facility			56-08N 63-40E	--	--	-	Complete	Firm	
	Transfer Point			56-10N 63-41E	--	--	-	Undetermined	Firm	
	Launch Area	A		56-09N 63-52E	--	60°	1	U/C	Firm	
		B		56-10N 64-03E	A-B 6.3	60°	1	U/C	Firm	
12.	Svobodnyy Support Facility			51-46N 128-07E	--	--	-	Complete	Firm	
	Transfer Point	A		51-46N 128-09E	--	--	-	Complete	Firm	
	Launch Area	B		51-55N 128-10E	--	30°	2	U/C	Firm	
		C		51-49N 128-19E	A-B 12.4	30°	2	U/C	Firm	
				51-53N 128-23E	A-C 9.0	30°	2	U/C	Firm	

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Table 1. (continued)

Item	Complex Area Name	Area Designator	BE Number	Coordinates	Distance Between Areas - NM	Launch Area Orientation ± 5 Degrees	No of Pads	Construction Status 1/	Degree of Confidence	Missions
18. Teykovo Support Facility Transfer Point Launch Area		A		56-52N 40-35E 56-54N 40-34E 56-55N 40-27E	-- -- --	-- -- 295°	- 2 2	Complete Complete Complete	Firm Firm Firm	
			B	56-56N 40-33E	A-B 3.5	295°	2	Complete	Firm	
			C	56-55N 40-17E	A-C 5.5	295°	2	U/C	Firm	
14. Tyumen' Support Facility Transfer Point Launch Area		A		56-52N 65-53E	--	--	-	Complete	Firm	
			B	56-53N 65-48E	--	--	-	U/C	Firm	
			C	56-52N 65-35E	--	300°	2	U/C	Firm	
15. Verkhnyaya Salda Support Facility Transfer Point Launch Area		A		56-48N 65-38E 56-51N 65-28E	A-B 4.4 A-C 4.0	300° 300°	2 2	U/C U/C	Firm Firm	
			B	58-02N 60-28E	--	--	-	Complete	Firm	
			C	58-02N 60-23E 58-09N 60-16E	-- --	-- 350°	2 2	Complete Complete	Firm Firm	
16. Yedrovo Support Facility Transfer Point Launch Area		A		58-06N 60-22E	A-B 3.3	350°	2	Complete	Firm	
			B	58-10N 60-28E 58-12N 60-34E	A-C 6.5 A-D 10.0	350° 350°	2 2	Complete Complete	Firm Firm	
			C	58-14N 60-54E	A-E 20.8	350°	2	Complete	Firm	
17. Yoshkar-Ola Support Facility Transfer Point Launch Area		A		58-14N 60-41E 58-13N 60-49E	A-F 14.1 A-G 18.0	45° 45°	1 1	U/C U/C	Firm Firm	
			B	57-51N 33-41E 57-52N 33-39E	-- --	-- --	- - 2	Complete Complete U/C	Firm Firm Firm	
			C	57-48N 33-36E 57-48N 33-14E 57-49N 33-08E	-- A-B 11.8 A-C 14.9	290° 290° 290°	2 2 2	U/C U/C U/C	Firm Firm Prob	
18. Teykovo Support Facility Transfer Point Launch Area		A		56-34N 48-03E	--	--	-	Complete	Firm	
			B	56-34N 48-04E	--	--	-	Complete	Firm	
			C	56-35N 48-10E	--	335°	2	Complete	Firm	
19. Tyumen' Support Facility Transfer Point Launch Area		A		56-35N 48-18E	A-B 4.4	335°	2	Complete	Firm	
			B	56-34N 48-25E	A-C 8.3	335°	2	U/C	Firm	
			C							

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Table 1. (continued)

Item	Complex Area Name	Area Designator	BE Number	Coordinates	Distance Between Areas - NM	Launch Area Orientation \pm 5 Degrees	No of Pads	Construction Status 1/	Degree of Confidence	Missions
18.	Yur'ya Support Facility Auxiliary Support Facility Transfer Point Launch Area	A B C D E F G		59-03N 49-19E 59-10N 49-29E 59-10N 49-29E 59-09N 49-33E 59-08N 49-41E 59-12N 49-28E 59-15N 49-24E 59-22N 49-17E 59-21N 49-13E 59-04N 49-52E	-- -- -- -- A-B 4.2 A-C 5.9 A-D 7.5 A-E 15.3 A-F 15.8 A-G 11.1	-- -- - 340° 340° 340° 340° Undetermined 340° Undetermined	- - - 2 2 2 2 1 2 1	Complete Complete Complete Complete Complete Complete Complete U/C Complete U/C	Firm Firm Firm Firm Firm Firm Firm Firm Firm Firm	

1/ Construction status is considered complete when launch pads, ready buildings, road pattern, and support facilities appear to be completed.

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REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Pass</u>	<u>Frames</u>	<u>Classification</u>
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REQUIREMENTS

OACSI. TK-JRI-14T-1-62

NPIC PROJECT

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